



The Submarine On Board Training Newsletter

Basic Engineering Qualification - Brought to you by SOBT!



Admiral's Corner

Calm down Eng! It's not happening yet, but it's in the works. Using Interactive Courseware (ICW) to complete BEQ is endorsed by both TYCOMs and by NAVSEA 08. When it's all said and done there will be some 32 modules covering approximately 56 hours of ICW based training.

Won't work? Did you know that the average time to qualify 'subs' on an SSBN is now about one patrol? And, some SSNs have reported a reduction of 25% in the amount of time it now takes their folks to qualify, and "with better retention" (CO's words, not mine). So we're not just seeing improved training efficiency by using this technology but improved effectiveness, which is the real goal. Face it "Training is Job One", until confronted with the "real" Job One, at which point you

execute. (Didn't see any training going on in the Normandy sequence of 'Saving Private Ryan' did you?) The key is in the quality of the product and how it is applied. The applied part is your management challenge. The quality of the product part is mine, which is why we have only started on one module, Reactor Coolant, of the planned 32 and will not start on any others until this one is done. This is a new area for us, working with new folks, and we're going to be trying out some new technology. The football team that usually wins the game is the one whose line explodes forward in unison, allowing the quarterback to establish a good ground game from which he can then run options. Right now we're working on team building and that ground game, 'cause we will be in the Super Bowl!

J.B. Padgett

Contents

Admiral's Corner	1
From the New Guy	2
SOBT HI-LITES	2
Laptop Technical Support ...	3
SOBTDS Notes	3
Joint Fleet Maintenance Manual	3
Laptop Questions&Answers	4
Wardroom Training	4
Piloting Briefs	4
SWS	5
Trident Qual Program	5
ADCAP	6
CMTpc	6
Trident SOBTDS Upgrade .	6
Communications	7
Feedback Forum	8
SOBT Products	8
On The Horizon	9
SOBT Points of Contact	10

Suggested Distribution of Copies

CO, XO, and COB (1 copy) - SOBT Products Manager (1 copy)

This distribution of SOBT Training Trends will ensure that everyone will be aware of new SOBT products available for training needs.

Distribution Statement A: Approved for public release; distribution is unlimited.

From the New Guy

I'm CDR McElwee, the new Director for SOBT, having relieved CDR Weigel back in July. Let me cut you in on my first impression:

OVERWHELMING.

We now have approximately 500 SOBT products in the catalogue and are continually adding to it. I can't imagine that there is much you'd want to train on that you couldn't find a SOBT product to help you do it. In fact, my fear is just the opposite. It's there and you don't know it!! Do yourself a favor and take a look at the catalog. I'm here to tell you it didn't look like that 10 years ago. And with regard to the quality of the product; let me just say I've polled a lot of commercial web sites for comparison and we are in the thick of it, and getting better all the time. (Hey, the same gamers that made '688I Hunter/Killer' and 'Fleet Command' work for us!)

But I do have an area that's troublesome that I need your help in. I need you to tell me how you're integrating our stuff into your training. Not so much from a planning standpoint, but from an implementation viewpoint. We have a product coming out in which, when you build a Long/Short Range Training Plan, it will automatically flag topics in the catalog for you.

I had a CO that gave us a course, must have been five sessions long, on how to use a day timer. It consisted of all of us O's gathering in the Wardroom with our books and the CO inserting the dreaded audio cassette in the tape player.

Fifty minutes later we were done. Really, truly done. I get spasms in my neck just thinking about that.

There is virtual training and virtually thoughtless training. I want to ensure we are not engaging in virtually thoughtless training. (I reckon I can sleep through a video about as well as an audiotape...how about you?) One of my chiefs here told me that the most important feature on a VCR was the pause button. When I asked why, he basically said 'That's where I, AS EXPERIENCE, step in to clarify something, (i.e. Different configuration) ask a question, (Where is that valve on this ship?), or just check to make sure everyone is keeping up.' Ho-yaa Chief!

I know the qualification ICWs are presenting a real challenge to some of you. (I.e. "I don't want some guy qualifying from his bunk.") I also know that some of the PACFLT guys are eating them up and would never go back to how it was. (I had two CO's call me up asking for the latest versions of qual software so they could take them on their upcoming patrol ('even if, they're BETAs, we'll work around any bugs').

Tell me how you are doing business on your ship so I can get that info out to your Fleetmates. I'll vet it if you like or post it as written on our website or in our newsletter. Don't be a Silent Service when it comes to Secrets of Training Effectiveness (and no I will not divulge where you can get day timer training tapes!).

Goin' Deep,
acmc

SOBT HI-LITES



To all SOBT Product Managers: We have received phone calls regarding our products not running on laptops onboard. These complaints are a result of laptops loaded with the Windows NT operating system. SOBT products were made to run using the Windows 95 operating system. SOBT Product Managers need to do an inventory of SOBT Laptops onboard. We are currently testing and upgrading some of our products for the Windows NT operating system, but this will take some time. In addition we will be producing some new products in NT. If you have any questions regarding how many laptops you should have onboard give us a call.

Another Issue: If you have any Confidential or Secret Record of Receipt Cards that you haven't mailed back, please do so. Some commands are consistent and some are not in this issue. We need everyone's help, so we can support you in the future with any questions regarding SOBT material. SOBT Managers, you need to have a good turnover with your oncoming SOBT Manager so the program doesn't suffer a set back and you can support your shipmates onboard or onshore. Thank you for your support, keep up the good work, and always remember to promote yourself and the SOBT Program. Your point of contact is Mr. Rafael Marquez

Laptop Technical Support



SOBTDS Laptop Computers

Call the toll free technical support telephone number (800-828-6289) or in Norfolk area call (757-368-9242) 1-800-1700 (EST). A new or refurbished laptop will be 2nd Day Air shipped to you. This requires a street address (no FPO) for UPS delivery. Return the malfunctioning laptop in the reusable shipping container. A postage paid sticker is included for you.

SNAP or ATIS Laptop Computers

Call JMCIS at 1 (800) 869-6413 for repair or technical support.

Ship the laptops to:

Receiving Officer
SPAWARSYSCEN CHARLESTON
Det St Juliens Creek
Bldg. 59, Magazine Road
Portsmouth, VA 23702

SPAWAR does not repair cosmetic items or laptops older than 36 months - the length of the maintenance agreement.

3Com, EtherLink III, LAN+33.6 and LAN+56 Modem PC Cards

For service call 3Com at 1 (800) 876-3266.

They will mail you a new unit and request that you return the defective device in their postage paid return envelope.

Laptop Support for Units in Bangor Washington

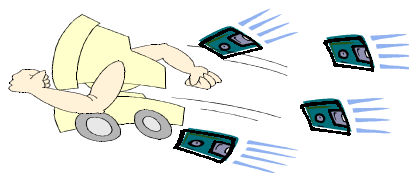
Commands in the BANGOR area can now obtain technical support for all SOBTDS, SNAP, ATIS laptops and ICWTS Mini-Towers at the new NAVAL INTERMEDIATE

MAINTENANCE FACILITY PACIFIC NORTHWEST

For service call NAVIMFACPACNORWEST at (360) 315-1743 and submit a 2K with each laptop or computer requiring service to Shop 67L.

There are two important drawbacks in sending your SOBT laptops to NAVIMFACPACNORWEST for repair. The first is your ship will be charged for all parts and labor for the repairs. The second drawback is the length of time it takes to procure the parts and undertake the repairs, which will increase the time your ship is without a computer asset.

Submarine On Board Training Delivery System (SOBTDS) Notes



SOBTDS Care and Maintenance Notice

Panasonic laptop Y2K issues

Panasonic CF-45 laptop computers, are fully Y2K compliant. Panasonic CF-61 laptop computers, are fully Y2K compliant. Panasonic CF-41 laptop computers, are Y2K compliant. However, the date in CMOS will not automatically advance to the year 2000. The date needs to be manually entered the first time the laptop is turned

on after 0001 on 1 Jan 2000. To manually change the date in CMOS, follow these steps:

- Turn on the laptop.
- Restart in DOS mode.
- Type "date" at the windows prompt, press ENTER.
- When asked, type in the new full date, (IE... 01/01/2000) then press ENTER.
- Reboot.

Windows 95 Y2K issues

Microsoft reported that Windows 95 is Y2K compliant with some minor issues. A plug is available from Microsoft to resolve the Y2K issues for users of Windows 95, 98 and NT. Even without the plug, the SOBT laptops will not suffer any catastrophic effects. SOBT courseware is not date sensitive, and Y2K presents no problem to any current or previously issued interactive courseware. Your point of contact is Mr. Paul Knieser.

Joint Fleet Maintenance Manual

In the fall of 98, SOBT promulgated the "Joint Fleet Maintenance Manual Volume V, Quality Maintenance" video, which was an update to the QA for the JR Worker video. Since its distribution to the fleet the Quality maintenance manual has been revised and updated and another update is in progress. We at SOBT would appreciate your input and feedback. Is the existing video still useful training or what, if any, updates are needed?

Thank you for your continued support.

Your point of contact is Dan Buchanan

Laptop Questions and Answers



Q. If today a submarine calls to tell you they have a broken SOBT computer, how long will it take to get a new one?

A. The turn around time for computer repairs varies. However, in most cases a replacement laptop is shipped (overnight priority) within 2 to 3 working days. If the ship is deployed and requests repairs, the laptop is shipped to the point of their next port of call. Unfortunately, overnight shipping is not available outside of the US. The phone numbers for the repair facilities are also listed in this newsletter under "Laptop Technical Support" on page 3.

Q. What are the plans to replace any non-compliant Y2K SOBT computers?

A. As far as we are concerned, there are no Y2K non-compliant SOBT computers. Training courseware distributed by SOBT is not date sensitive. That being said, we have come up with a fix for adjusting the date on the older SOBT laptops. For your convenience this fix is included in this newsletter "Submarine Onboard Training Delivery System Notes" on page 3.

Note

SOBT has a life cycle plan in place for computer assets delivered to each submarine. The target number of SOBT computer assets is eight. Currently, one additional computer is being

delivered to each 688 and above not listed on the deactivation list and having had less than eight SOBT laptops onboard. Most ships have between six and eight SOBT assets already. Once every ship has eight SOBT laptops, by the end of FY00, any new laptops delivered from SOBT will be a "replacement" for an older system. The oldest asset on board will then belong to the ship and will not be supported by the SOBTDS repair depot. Does that mean that you have to send that asset to DRMO? NO! Continue using it until it no longer functions as a training platform or is beyond economical repair.



Wardroom Training

All submarines should have received six new products oriented toward Wardroom use.

From the Submarine Force Collision and Groundings Briefs:

*Collisions Interactive Courseware (ICW)

* Groundings ICW

*Collisions and Groundings PowerPoint Brief

And

*Rest of World Visual Recognition ICW

*MIST ICW Lesson 4

*MIST ICW Lesson 5

The collisions and groundings products and Rest of World Visual Recognition are currently being

shipped to shore commands.

We are commencing work on updates to the collision and grounding products and have started work on MIST Lesson 6. Your feedback is essential to making these training products meet your needs. Send us a SOBT Feedback Form and let us know what you like and don't like, let us know how you use these courses and what features you want added or deleted.

Your point of contact for these products is Ned Kamradt.

PILOTING BRIEFS



In our 'SOBT Products Distributed this Quarter' section you'll see that 2 briefs have been sent out. From talking face to face with A-NAVs and NAVs in the 5 CONUS homeports, this product is working. Even enlightening some! We are working on Pearl, Bangor, San Diego and Norfolk. Norfolk was setback a little from FLOYD. In the near future we will be doing foreign ports, too. So if you have video footage and/or color stills of the NAVAIDS in any port that you have visited along with nice charts we sure could use all the data that you could supply to us so we can get you some wicked products. Your point of contact is ETC (SS) Patrick Thompson.



Strategic Weapons Systems (SWS)



Trident I 28 VDC Ground Fault Troubleshooting, Version 2 (ICW-F004)

Distributed in July. This is a re-issue of the Trident I 28 VDC Ground Fault Troubleshooting computer based instruction originally issued on 3.5" floppy disks. This CD-ROM is designed to provide an overview of the 28 VDC power distribution system used in the Trident I MK 98 MOD 0 Fire Control System. It also includes an explanation of ground faults, relay charts and will allow the trainee to troubleshoot various 28 VDC ground faults within the courseware.

C4/D5 Missile Tube Heating and Cooling (ICW-SS003)

Now ready for distribution. This interactive course allows for realistic simulation of Missile Heating and Cooling (MHC) components. The course is designed for the C4 and D5 Missile technicians. Additionally, the Nuclear Electronic Technicians can also benefit by the section covering proportional controllers in 5SB and 6SB. This course will present a foundation of understanding of the MHC system and operation. Detailed instruction is provided on the

controller to heaters interface, proportional controllers functional theory and a section for both the C-4: SMP 51-6656 and the D5: SMP 51-6460, verifying proper operation of the missile tube heating and cooling system water heater.

Your point of contact is Mr. Paul Knieser.

Trident Basic Enlisted Submarine Qualification Program



The First five CDs covering blocks I through V are now complete. We are busy assembling the CDs for distribution to the fleet. Shipment will begin the first of Nov.

As you recall each CD is labeled with the same block number as the qual card that contains the same ship systems, as shown here:

Block I SEA WATER SYSTEMS

Trim, Main Drain, Missile Compensation, Hovering, Tanks and Compartments.

Block II AIR SYSTEMS

High Pressure Air, Service Air and

Main Ballast Tank Blow

Block III HYDRAULIC SYSTEMS

Ship Service Hydraulics, Steering and Diving Hydraulics, External Hydraulics, Emergency Flood Control and Stern Diving Hydraulics.

Block IV ATMOSPHERE SYSTEMS

Ventilation, O2 Generators, CO-H2 Burners, Nitrogen, Oxygen and Scrubbers.

Block V ELECTRICAL SYSTEMS

Battery & DC Distribution, SSTG, SSMG & 400 VAC Distribution, Lighting & 120 VAC Distribution, 400 Hz Distribution, Ship Control and IC Communications.

Blocks VI through IX are in the final stage of development. After the subject matter experts finish reviewing the last four blocks, (on 5 CDs) the CDs will be finalized for distribution to the fleet.

Block VI BASIC POWER PLANT

Basic Primary Power Plant, Electronics & Auxiliary Fresh Water, Distilling Plants, Chilled Water and Air Conditioning Plant.

Block VII MISCELLANEOUS SYSTEMS

Sanitary & Plumbing, Diesel & Snorkel, Trash Disposal Equipment, Refrigeration, Topside, Bridge, Masts and Antennas.

Block VIIIa BASIC COMBAT SYSTEMS pt 1

3-inch & 5-inch Launchers, Launcher & Missile Tubes Central Computer Complex and Sonar.

Block VIIIb BASIC COMBAT SYSTEMS pt 2

Torpedo Fire Control, Torpedo Tubes and Missile Fire Control.

Block IX BASIC OPS SYSTEMS

Navigation, Radar, ESM and Radio.

Your point of contact is Mr. Paul Knieser.



COMBAT SYSTEMS

ADCAP / WEAPONS TRAINING TIPS

1. You should have received your COMSUBGRUTWO/SOBT letter authorizing the destruction of the 5 (SECRET) ADCAP Block I, 8.7 videos identified in the April 99 issue of SOBT Training Trends.
2. Work continues on the WIN95 compatible ADCAP Post-Launch Trainer in addition to the Pre-Launch Trainer add on.
3. The first Torpedo Training Working Group meeting sponsored by SOBT / DEVRON 12 was a huge success. A lot of discussion on ADCAP Block IV, Improved flex hose, School House and Attack Center training capabilities, ADCAP Load-Outs, Launcher and Fire-Control problems, and other valuable information dissemination.
4. THE NEXT TORPEDO WORKING GROUP MEETING IS SCHEDULED FOR 2 DEC. 0900 AT THE SOBT OFFICE. ALL SENIOR TACTICAL WEAPONERS ARE INVITED. Call us for more information.
5. The 2 Wire-Guidance training videos are on schedule in their development.
6. We are working on an updated Mine, Identification, Detection,

and Avoidance video.

7. SEND FEEDBACK REPORTS ON SOBT STUFF, OR ANY TRAINING PROBLEMS YOU HAVE OR EVEN FORSEE. Also use feedback forms if you cannot make the 2 Dec. W/G meeting and have ANYTHING to ask or share.
8. POC Joe Valchar

Cruise Missile Trainer-Personal Computer (CMTpc) CBI-W-9652

You will soon be receiving a new Y2K compliant version of CMTpc CBI, this NUWC designed software will be issued as a CD vice it's current format of 3.5" floppy disks. Along with the format change NUWC also addressed many of the fleet submitted PTR's allowing for easier scenario generation and operation. We should have this product in house by the end of October so you should receive it in the November/December time frame. Your point of contact is FTC(SS) Lindsey.

Trident Submarine On Board Training Delivery System Upgrade

The new Gateway computer systems that are replacing the aging ICWTS mini towers are on site at Bangor and Kings Bay. Two Gateway E-3200 computers, two EV700 monitors and an APC Shipboard UPS 700X93 (Uninterruptable Power Supply) are ready for installation on each Trident submarine.

The computers are delivered with Windows 95 pre-installed. The primary use for the new Gateway computers are for hosting the Trident Basic Enlisted Submarine Qualification Program which was recently revised to run on the new system.

If you have not received your computers yet, call your local point of contact to arrange installation and setup of your new SOBTDS: Trident submarines stationed in Bangor, WA can call COMSUBGRU NINE, ETC McGuire at 396-6743. Trident submarines stationed in Kings Bay, GA can call COMSUBRON SIXTEEN, FTC Brown at 673-2001 ext. 9120. Your point of contact is Mr. Paul Knieser.

COMMUNICATIONS



Navy Electricity and Electronics Training Series (NEETS) Update

This EWOBT course conversion (NEETS)(CBI-GT-9719) was distributed in March 1998 and will run in Windows 3.11 only. The NEETS modules are currently being updated to run in Windows 95/98 and NT. This conversion is a long and difficult process, but we expect it to be delivered in FY00.

Recently Distributed Communications Related SOBT Products

The following Communications related SOBT Products have been recently distributed and should be available through your Communications Officer or SOBT Products Manager. Please review these products and provide your feedback to me at the SOBT office.

- AN/USC-42(V) Miniaturized Demand Assigned Multiple Access (Mini-DAMA) Communications Set (CBI) (CBI-C-98068)

The CBT for the AN/USC-42(V)1 was developed and delivered by NISE East in June 97 to USS Scranton (SSN 756), USS Seawolf (SSN 21) and USS Connecticut (SSN 22).

Courseware for the AN/USC-42(V)2C and AN/USC-42A(V)2C was completed, duplicated and shipped to SPAWAR Charleston

for distribution. Distribution of this CBI to all SSN 688 and SSN 21 Class submarines, submarine groups and squadrons, submarine training facilities, specific surface ships and various shore activities commenced in December 1998

Communications Related SOBT Products Near Completion

The following Communications related SOBT products are very near completion and should be distributed within the next three months.

- Submarine Message Buffer (SMB) Operation and Maintenance ICW (CBI-C-99002)

This courseware provides information concerning the basic operation and maintenance tasks associated with the SMB. Every possible function that can be performed on the SMB is explained and a drill and practice section is provided to allow the user to run several different scenarios.

- AN/BRR-6B Towed Buoy Virtual Equipment Trainer (ICW-TO-99016)

This course provides training on the proper operation of the Towed Buoy Antenna and provides several faulted scenarios to allow the user to float and/or stow the buoy under other than normal conditions. The presentation section provides information concerning the buoy handling equipment and the units that make up the entire buoy system. A very comprehensive exam is provided to test the information and skills learned while taking this course.

- Generic Front End Communications Processor (GFCP) Operation and Maintenance ICW (ICW-C-99018)

The GFCP Operation and Maintenance course provides training on all operational aspects of the GFCP and provides basic

maintenance instruction. This course also provides information concerning GFCP interfaces. The course currently addresses only the GFCP I and not the GFCP II. A later revision to this courseware will provide training for the GFCP II.

Submarine Communications Support System (SCSS) Commander, Space and Naval Warfare Systems Command is sponsoring the development of the Submarine Communications Support System (SCSS) training curriculum. This curriculum will be used in the schoolhouse for formal training, and will also be provided to submarines for Submarine On Board Training. Most of these courses have been delayed because of delays in equipment installations on board the submarines. I will keep you informed as to the status of SCSS courseware when it is available.

HELP

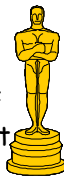
Communications Officers, Communications Division LPOs and Communications Division Personnel

I am constantly trying to come up with ideas for new training products needed for the Communications Divisions. In this continuing effort, I could certainly use some help from the experts at sea. Please review your training requirements and advise me of any areas where you believe SOBT courseware or videos would be helpful. My goal is to support you and to provide you with the very best and most accurate products possible. To meet this goal, I need your help and assistance with information concerning the needs of the fleet today. Please provide your ideas by telephone, e-mail or SOBT Feedback report. Your help is appreciated.

Your point of contact for Communications is Terry Harding.

FEEDBACK FORUM

Thank you very much if you are among those who have taken time out of their busy day to send us constructive criticism! We have received many feedback reports during the past quarter that were worthy of consideration for the prestigious feedback of the quarter award. After due consideration, detailed analysis, and a little bit of arbitrary decision making, we have a winner. The winner of the prestigious SOBT feedback of the quarter award for the past quarter (July-September) is **USS SAN JUAN (SSN 751)** for the following detailed comments on the *SONAR Displays for the OOD* video (SVT-S-9684):



Overall a very good general coverage of OOD responsibilities and SONAR displays formats, however the video didn't adequately cover SONAR display interpretation. It should be noted that learning objectives stated in the video are different than those provided on the letter of promulgation. However objectives from the video were adequately covered. Specific comments are: Many acronyms were used without mentioning full description of acronyms (i.e. LOFAR, DEMON, etc). Very good description of basic SAPBB display formats. Very

good description of basic SAPBB display formats. Mentions that ping steel ranging is possible on SAPBB. This may be true but is very difficult and is very inaccurate. General coverage only of OOD's responsibilities during watch relief. Not very descriptive on specific areas to look at and compare. Good coverage of towed array and other ranging techniques. A good general coverage of sonar equipment and displays. Probably best suited for very junior officers and sonar technicians. Several of the areas covered in this video could be further explained by developing display interpretations, PNB employment.

Thanks again for your valuable input and keep up the good work!



SOBT Products Deleted This Quarter



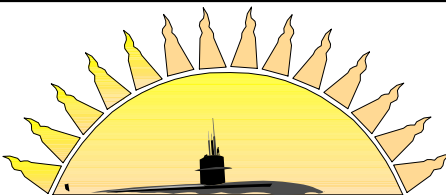
1. "Danger Zone: Your Head" Video (SVT-GT-9530).
2. "Danger Zone: Your Hands" Video (SVT-GT-9531).
3. SOBT AN/BRD-7 Operational Employment Trainer ICW Version 1 (CBI-EW-9524)

SOBT Products Distributed This Quarter



1. SOBT Preparation to Deploy - Single and Submerged (aka "Single and Submerged") SVT-GT-97140 (806366) 29:00.
2. Submarine Launched Mobile Mine (SLMM) Fire Control System (FCS), MK 122, MOD 0 Description, Installation, Operation, and Maintenance (U) SVT-W-97059 (806355) 32:00.
3. Battle Group Communications - Submarine (U) (SVT-C-98077) (806361) 27:00 CONFIDENTIAL.
4. Submarine Satellite Communications Overview (U) (SVT-C-98092) (806360) 33:00.
5. Submarine Communications Planning (U) (SVT-C-98083) (806362) 33:00 CONFIDENTIAL.
6. Submarine Bottom Contour Navigation (U) (SVT-S-9777) (806351) 23:00 SECRET.
7. Submarine Advanced Tactical Use of the Ocean Environment (U) (SVT-S-9783) (806236) 37:00 CONFIDENTIAL.
8. ESGN Data Interpretation/Evaluation (U) (SVT-N-9890) (806246) 22:30 CONFIDENTIAL.
9. Submarine VLS Operations (U) (SVT-W-9858) (806359) 30:00 CONFIDENTIAL.
10. Submarine VLF Frequency Shift Keying and STANAG 5030 Procedures (U) (SVT-C-98051) (806245) 19:00 CONFIDENTIAL.
11. Submarine EHF Communications System Overview (U) (SVT-C-9852) (806241) 35:00.
12. Submarine VLF(A) Tracking (U) (SVT-S-9632) (806184) 33:30 SECRET.

13. EHF Antenna Installation/ Removal on the Submarine (U) (SVT-C-9895) (806368) 28:24.
14. Submarine EHF Antenna Installation/Removal in the Optical Shop (U) (SVT-C-9896) (806369) 22:06.
15. Submarine Anti-Submarine Warfare (ASW) Section Tracking (U) (SVT-T-9638) (806190) 49:00 SECRET.
16. Collisions Interactive Courseware (CBI-ID-96074) CONFIDENTIAL
17. Groundings Interactive Courseware (CBI-ID-96075) CONFIDENTIAL.
18. Submarine Force Collisions and Groundings Briefs (Change 4) PowerPoint Presentation (CBI-ID-99011) CONFIDENTIAL.
19. Piloting Brief Groton, CT (ICW-N- 98129).
20. Piloting Brief Kings Bay, GA (ICW -N 98130).
21. Own Ship's Data Set (OSDS) (ICW-LQ-98049).
22. SSBN 726 Class Hatch Maintenance (ICW-AX-98124).
23. Tomahawk Missile Mission Matching (U) (SVT-F-98062) 12:00.
24. 688 (I) HUNTER/KILLER, U.S. Navy Version, Computer Courseware (ICW-T-99024), Version 1.1.



ON THE HORIZON

These products have been distributed to the staff units and will be sent to the fleet in the next 60 days:

1. Submarine Qualification - Own Ship's Data Set (OSDS) Interactive Courseware (ICW-LQ-98049).
2. Rest of the World Visual Recognition Interactive Courseware (ACBI-ID-97009) CONFIDENTIAL.

I want to go out on a limb here, since I don't have TYCOM approval yet, and show you what I think we will be working on for you this year:

- > RMOW (688/688I) 3 HR ICW
- > JO Tactics (Sonar)
- > JO Tactics (Fire Control)
- > JO Tactics (NAV/COMM/ SENSORS)
- > ROE 2 HR ICW
- > Update to 688I Ship Control Simulator
- > BEQ (Reactor Coolant)
- > TLAM Launch Sequence Trainer
- > Updates to Collision Avoidance Trainer
- > Piloting Brief, Haifa
- > Piloting Brief, Yokosuka
- > Piloting Brief, Bahrain
- > Piloting Brief Faslane
- > Update to Rules of the Nautical Road
- > Update to 688 Quals
- > Functionality Update to APLT
- > Training and Qualification Management System
- > Tomahawk VLS and TTL Lessons Learned
- > Sonar Watch Orientation
- > Update Tomahawk AURES Mk101
- > 688 AOW 2HR ICW
- > 688 ETOW/AEF 2 HR ICW

- > BSY-1 Noise Monitoring/Aux Spectral Anal/Spatial Array Summary
 - > Q5E Sonar Supervisor Watchstanding
 - > CH5 to Collision and Grounding
 - > Trident OOD 3 Modules
 - > BSY-1 Bottom Sounder Operator Course
 - > VLS Operations Training (4 operator, portable, LAN based team trainer capable of performing all actions for the launch of a four msl salvo)
 - > MIST additions
 - > MK 10 SEIE
 - > Trident Qual, EPM-SPM, Depth Sensing, CAMS, MSW, Main Propulsion, Primary Plant, Aux/Grav. Drain ASW, Salvage Air, and Secondary Plant.
 - > Strike and Battle Group OPS
 - > MK 48 Wire Guide
- Considerations
- > Ship Control Training
 - > NEETS
 - > Update DMS Mk 75
 - > Update Sec Trng for Navs
 - > Carbon Steel Corrosion
 - > Update APLT (Prelaunch, CCS2-BSY2)
 - > 3 inch Devices
 - > Update Tactical Tripwires
 - > LCHR SUP
 - > Update ADCAP Lessons Learned
 - > Update Lookout CBI
 - > Update Torque Wrenches video
 - > Air System Ball Vlv Maint/Repair.
- To quote Kojak "Who loves you Baby!"
- This list is short by necessity, besides, the TYCOMs haven't settled on the final list as of time of publishing. I just wanted to give you a taste of what we're starting this year. Remember, there's other stuff in the pipe that is coming soon to a PC near you. Smooth sailing.
- Your point of contact is CDR McElwee (N7).

SOBT POINTS OF CONTACT

DSN: 694 COMM: (860) 694 STU III Phones: 3737, 4856
FAX: (860) 694-2212 SOBT@CSG2.NAVY.MIL
HTTP://SOBTWEB.CSG2.NAVY.MIL

DIRECTOR

CDR Adrian McElwee (N7)
amcelwee@csg2.navy.mil ☎X-3737

Nuclear Propulsion/Basic Engineering Qual.

LT Mike Burianek (N431)
mburianek@csg2.navy.mil ☎X-3205

NAVIGATION/ESM

ETC(SS) Patrick Thompson (N744)
pthompson@csg2.navy.mil ☎X5507

ENGINEERING/AUXILIARY SYSTEMS

MMC(SS) Shawn Irish (N743)
sirish@csg2.navy.mil ☎X5506

SOBT PROJECT MANAGEMENT

Mr. Duane Slaughter
dslaughter@csg2.navy.mil ☎X-2898

WARDROOM/NSSN QUAL

Mr. Ned Kamradt
ekamradt@csg2.navy.mil ☎X-3225

STRATEGIC WEAPONS SYSTEMS

Mr. Paul Knieser
pknieser@csg2.navy.mil ☎X-2895

SOBT ADMINISTRATION/PRODUCTS

Mr. Ralph Marquez
rmarquez@csg2.navy.mil ☎X-5502

PROGRAMMER

Ms. Cathy McCrackan
mccrackanc@csg2.navy.mil ☎X-3485

PROGRAM COORDINATOR

LT Nick Milano (N74)
nmilano@csg2.navy.mil ☎X-3241

RADIO SYSTEMS

ETC (SS) Robert Swearingen (N747)
swearingen.r@csg2.navy.mil ☎X-2213

COMBAT CONTROL SYSTEMS

FTC(SS) Mike Lindsey (N746)
mlindsey@csg2.navy.mil ☎X-5509

SONAR SYSTEMS

STS1(SS) Art Harley (N745)
aharley@csg2.navy.mil ☎X-5508

VIDEO/GENERAL TRAINING

Mr. Joe Valchar
jvalchar@csg2.navy.mil ☎X-2893

HM&E/SAFETY/SEAWOLF QUAL PROGRAM

Mr. Dan Buchanan
dbuchanan@csg2.navy.mil ☎X-5513

COMMUNICATIONS

Mr. Terry Harding
tharding@csg2.navy.mil ☎X-5514

ENGINEERING ASSISTANT

MM2(SS) Eric Michalek (N748)
emichalek@csg2.navy.mil ☎X-2213

SENIOR PROGRAMMER

Ms. Karen Thomsen
thomsenk@csg2.navy.mil ☎X-5510